

|   | U                        | 1                                   | PT                       | P                        | Document ID   | Issue Date | Pages | Title   |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|---------------|------------|-------|---|
| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6185440 B1 | 20010206   | 19    | Method for sequentially transmitting a downlink signal from a communication station that has an antenna array to achieve an omnidirectional radiation |
| 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6154661 A  | 20001128   | 21    | Transmitting on the downlink using one or more weight vectors determined to achieve a desired radiation pattern                                       |
| 4 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 5976086 A  | 19991102   | 20    | Ultrasonic diagnostic apparatus and filter to obtain sequential frames of image data  |
| 5 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 5745858 A  | 19980428   | 13    | Base station transmitter/receiver capable of varying composite directivity of antennas  |
| 7 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6466557 B1 | 20021015   | 55    | Transmission channel allocation method and allocation apparatus   |
| 8 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6463295 B1 | 20021008   | 37    | Power control with signal quality estimation for smart antenna communication systems  |
| 9 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | US 6037898 A  | 20000314   | 18    | Method and apparatus for calibrating radio frequency base stations using antenna arrays   |

|   | Current OR | Current XRef  | Retrieval Classif | Inventor                    | S                                   | C                        | 2                        | 3                        | 4                        | 5                        |
|---|------------|---|-------------------|-----------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2 | 455/562.1  | 370/334;<br>455/103   |                   | Barratt, Craig H.<br>et al. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | 455/562.1  | 370/277;<br>455/517   |                   | Goldburg, Marc H.           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | 600/443    | 600/437   |                   | Matsushima,<br>Tetsuya      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | 455/562.1  | 455/138   |                   | Sato, Toshifumi et<br>al.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | 370/332    | 370/341;<br>370/437;<br>370/439;<br>455/450;<br>455/509;<br>455/67.11 |                   | Doi, Yoshiharu              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | 455/522    | 455/562.1;<br>455/69  |                   | Yun, Louis C.               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 | 342/174    | 342/378   |                   | Parish, David M.<br>et al.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

|   | Image Doc.<br>Displayed |
|---|-------------------------|
| 2 | US 6185440              |
| 3 | US 6154661              |
| 4 | US 5976086              |
| 5 | US 5745858              |
| 7 | US 6466557              |
| 8 | US 6463295              |
| 9 | US 6037898              |

6037898

|   | Type | L # | Hits | Search Text  | DBs                                | Time Stamp       | Comments |
|---|------|-----|------|--|------------------------------------|------------------|----------|
| 1 | BRS  | L1  | 224  | (weight\$3 near2 control\$4 or weight\$3 near3 unit\$1 or weight\$3 near3 antenna\$3) with (transmission or transmit\$4) with (select\$4 or switch\$3)   | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 19:42 |          |
| 2 | BRS  | L2  | 129  | 1 and (CDMA or diversity or parallel near3 correlat\$4 or plural\$3 near3 receiv\$4 or multi\$3 near3 receiv\$4 or bank\$1 near3 receiv\$3 or bank\$1 near3 correlat\$4 or rake near3 receiv\$3 or rake near3 finger\$1 or rake near3 demodulat\$4 or finger\$1 near3 demodulat\$4 or finger\$1 near3 receiv\$3) | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 19:58 |          |
| 3 | BRS  | L3  | 879  | (Receiv\$3 near3 weight\$3 or reception\$1 near3 weight\$3) same (transmission near3 weight\$3 or transmit\$4 near3 weight\$3)   | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:01 |          |
| 4 | BRS  | L5  | 113  | (Receiv\$3 near3 weight\$3 or reception\$1 near3 weight\$3) same (transmission near3 antenna\$3 near2 weight\$3 or transmit\$4 near3 antenna near2 weight\$3)  | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:02 |          |

|   | Error<br>Definition | Er<br>ro<br>rs |
|---|---------------------|----------------|
| 1 |                     | 0              |
| 2 |                     | 0              |
| 3 |                     | 0              |
| 4 |                     | 0              |

|   | Type | L # | Hits | Search Text  | DBs                                | Time Stamp       | Comments |
|---|------|-----|------|--|------------------------------------|------------------|----------|
| 5 | BRS  | L4  | 45   | (Receiv\$3 near3 antenna\$3 adj2 weight\$3 or reception\$1 near3 antenna\$3 adj2 weight\$3) same (transmission near3 weight\$3 or transmit\$4 near3 weight\$3)                                   | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:28 |          |
| 6 | BRS  | L6  | 86   | 5 not 4  | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:08 |          |
| 7 | BRS  | L9  | 0    | (weight\$3 near3 control\$4 near3 transmit\$4 or weight\$3 near3 control\$4 near3 transmission) same (reception near3 weight\$3 near3 switch\$3 or receiv\$3 near3 weight\$3 near3 switch\$3)    | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:30 |          |
| 8 | BRS  | L8  | 5    | (weight\$3 near3 control\$4 near3 transmit\$4 or weight\$3 near3 control\$4 near3 transmission) same (reception near3 weight\$3 near3 select\$4 or receiv\$3 near3 weight\$3 near3 select\$4)    | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:30 |          |
| 9 | BRS  | L7  | 33   | (Receiv\$3 near3 antenna\$3 adj2 weight\$3 or reception\$1 near3 antenna\$3 adj2 weight\$3) same (transmission near3 antenna\$1 near2 weight\$3 or transmit\$4 near3 antenna\$3 near2 weight\$3) | USPAT;<br>US-PGPUB;<br>EPO;<br>JPO | 2004/06/14 20:31 |          |

|   | Error<br>Definition | Er<br>ro<br>rs |
|---|---------------------|----------------|
| 5 |                     | 0              |
| 6 |                     | 0              |
| 7 |                     | 0              |
| 8 |                     | 0              |
| 9 |                     | 0              |